

EXP Page/Talk Explosion Proof Station

FEATURES and BENEFITS

- Water tight and dust protected explosion proof enclosure
- Power supply 24 VDC or 24/120/240 VAC
- Cast aluminum base and faceplate (copper free)
- Page switch on faceplate
- Noise canceling microphone
- Electronic hook switch provides durability
- Durable powder coat paint (standard color shown)
- Side tone adjustment
- 12 watt speaker amplifier
- Monitors ambient noise and adjusts speaker volume automatically
- Removable screw and plug Combicon connectors allow for ease of installation
- Single line or multi line (5 lines)
- Can be added to many existing systems provided by other manufactures

APPLICATIONS

- Refineries
- Power Generation Facilities
- Pulp and Paper Mills
- Bulk Loading Stations
- Nuclear Facilities
- Chemical Plants
- Mines
- Aerospace Sites
- Offshore Platforms
- and more ...

INSTALLATION and CONNECTABILITY

Guardian's EXP Explosion Proof Station gives you the flexibility to set up a system based on exactly what you need – as well as the ability to integrate equipment already in place. The EXP Explosion Proof Station components connect through simple plugs and Guardian Telecom cable for easy installation. As part of an integrated system, the EXP Explosion Proof Station also interfaces with existing detection, alarm and process control equipment.



EXP Page/Talk
Explosion Proof
Station

Guardian's EXP Page/Talk Explosion Proof Stations are designed to provide communication in Class I and II, Div 1 areas. Easy to operate paging with the versatility of one or five talk lines. Individuals can be paged from any station and two or more people can communicate simultaneously on any available talk line.

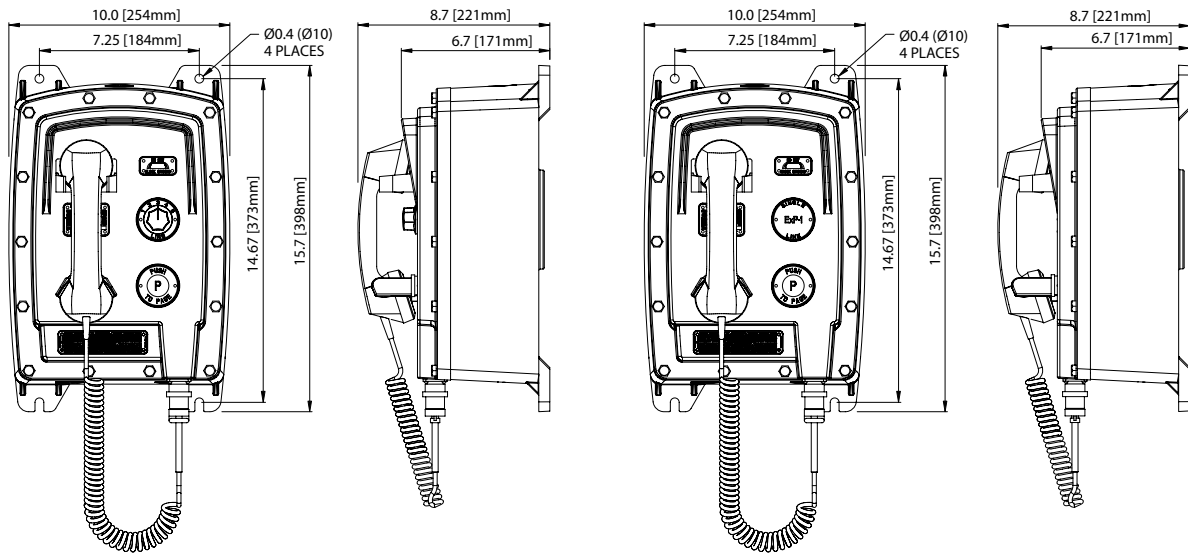
Guardian
Telecom Inc.

ISO 9001 Today's Quality Creates Our Future

Recommended speaker:
SR40 (P7247) 40 watt 16 OHM
Explosion Proof Class I & II,
Division 1



OVERALL DIMENSIONS



EXP Page/Talk Explosion Proof Five Line Station

EXP Page/Talk Explosion Proof Single Line Station

ENGINEERING SPECIFICATIONS

ELECTRICAL REQUIREMENTS

Input Voltage	20-29 VDC	20-26 VAC	90-140 VAC	200-260 VAC
Power Cycle	n/a	50/60 Hz	50/60 Hz	50/60 Hz
Current	0.5 Amp	0.5 Amp	0.1 Amp	0.05 Amp
Fuse	1 Amp	1 Amp	0.5 Amp	0.25 Amp

HANDSET AMPLIFIER

Transmit Gain	50 dB
Frequency Response	250-4000 Hz
Distortion	1.0% Maximum THD @ 1000 Hz at Maximum Output

SPEAKER AMPLIFIER

Maximum Output Power	12 Watts
Amplifier Gain	50 dBm 0.5 RMS at Rated Output
Frequency Response	250-4000 Hz
Distortion	1.0% Maximum THD @ 1000 Hz at Maximum Output
Input Impedance	200K Ohms Nominal

MECHANICAL SPECIFICATIONS

Body Construction	Copper Free Cast Aluminum & Powder Coated
Body Dimensions (H x W x D)	15.7 x 10 x 8.7" (398 x 254 x 221 mm)
Net Weight	28 lbs (12.3 kg)
Mounting	Vertical Wall
Connection Fittings	Conduit or Cable Gland

ENVIRONMENTAL

Weather Proof Enclosure	CSA Type 4X
Dust & Corrosion Resistant	Fully Gasketed Faceplate
Temperature	-40° to +140°F (-40° to +60°C)
Humidity	0 - 95% RH Non-Condensing

CSA COMPLIANCE (Canada and United States)

Class 4818 02 – Signal Appliances – Audible – For Hazardous Locations
 Class 4818 82 – Signal Appliances – Audible – For Hazardous Locations
 Certified to US Standards

Class I, Div. 1, Groups B, C and D; Class II, Div. I, Groups E, F and G

Canada: Class I Zone 1 Ex d IIB+H2 T5

United States: Class I Zone 1 AEx d IIB+H2 T5; Class II Zone 21

ORDERING INFORMATION

Warranty: One year parts and labor

EXP Page/Talk Explosion Proof Station

Order Number Description

P5930 EXP Page/Talk Explosion Proof Single Line Station

P5935 EXP Page/Talk Explosion Proof Five Line Station

WHEN PLACING AN ORDER SPECIFY

- Power Supply 24 VDC or 24/120/240 VAC

Guardian pursues a policy of continuous improvement, therefore specifications are subject to change without notice.



Enhancing Communication
 Through Innovation and
 Expertise

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